

Converting Colors

$Y_{xy}(25.8815, 0.4664, 0.2540)$

Have a look what the booklet for
Yxy(25.8815, 0.4664, 0.2540)
contains.

Yxy(25.8815, 0.4664, 0.2540)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(25.8815, 0.4664, 0.2540)

Conversions

Conversions Part 1

Format	Color
Hex	FF368F
RGB	255, 54, 143
RGB Percent	100%, 21%, 56%
CMY	0.0000, 0.7884, 0.4391
CMYK	0.00, 0.79, 0.44, 0.00
HSL	333°, 100%, 61%
HSV	333°, 79%, 100%
XYZ	47.5241, 25.8815, 28.4900
YIQ	124.2450, 91.2270, 70.2910

Conversions

Conversions Part 2

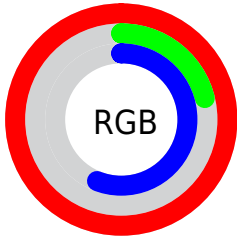
Format	Color
R _Y B	255, 54, 143
Decimal	16725647
CIE Lab	57.92, 78.21, -0.46
CIE LCh	58, 78.214, 359.659
Yxy	25.8815, 0.4664, 0.2540
Android (android.graphics.Color)	4294915727 (0xFFFF368F)
YUV	124.2450, 9.2462, 114.6721
Hunter-Lab	50.8739, 77.7176, 2.4085

Details

The Yxy color **25.8815, 0.4664, 0.2540** is a dark color, and the websafe version is hex **FF3399**. The color can be described as middle washed rose. A complement of this color would be **75.0542, 0.2638, 0.4483**, and the grayscale version is **20.1817, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.9660, 0.3767, 0.2524**, and **11.9968, 0.5031, 0.2545** is the 20% darker color. If you saturate the color by 10%, you get **23.6933, 0.4948, 0.2570**, and if you desaturate by 10%, it is **29.3620, 0.4380, 0.2563**.

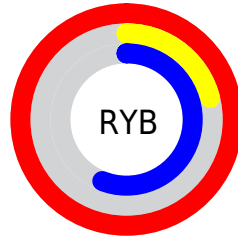
Distribution



Red (100%)

Green (21%)

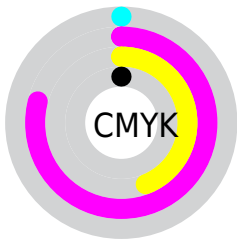
Blue (56%)



Red (100%)

Yellow (21%)

Blue (56%)

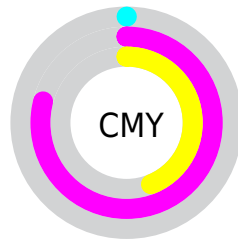


Cyan (0%)

Magenta (79%)

Yellow (44%)

Black (0%)



Cyan (0%)


Magenta (79%)


Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.8815, 0.4664, 0.2540 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 25.8815, 0.4664, 0.2540 by changing the saturation by 10% instead.

 25.8815, 0.4664,
0.2540


 25.8815, 0.4664,
0.2540


282.1999, 0.3834,
0.2944


 16.7350, 0.4889,
0.2431


 53.0837, 0.4349,
0.2693


 10.0457, 0.5187,
0.2286


 71.9082, 0.4234,
0.2749


 5.4293, 0.5598,
0.2087

 94.7275, 0.4139,
0.2795

 2.5013, 0.6190,
0.1801

 121.9260, 0.4059,
0.2834

 0.8773, 0.7085,
0.1371

 153.8881, 0.3991,
0.2868

 0.0000, 1.0000,
0.0000

190.9982, 0.3931,

 0.0000, 0.0000,

0.2897

0.0000

233.6407, 0.3880,
0.2922

■ 25.8815, 0.4664,
0.2540

■ 25.8815, 0.4664,
0.2540

■ 23.6933, 0.4948,
0.2570

■ 29.3620, 0.4380,
0.2563

■ 22.5537, 0.5216,
0.2653


■ 34.3135, 0.4112,
0.2629


■ 22.4517, 0.5246,
0.2664

■ 40.8798, 0.3872,
0.2724

■ 49.1888, 0.3664,
0.2837

■ 59.3555, 0.3487,
0.2956

 71.4851, 0.3339,
0.3077

 85.6747, 0.3217,
0.3193

100.0000, 0.3127,
0.3290

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



25.8815, 0.3291, 0.1946



25.8815, 0.4664, 0.2540



25.8815, 0.5538, 0.3262

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



25.8815, 0.4664, 0.2540



25.8815, 0.3672, 0.5697



25.8815, 0.1154, 0.1806

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



25.8815, 0.4664, 0.2540



75.0542, 0.2638, 0.4483

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



25.8815, 0.1194, 0.2581



25.8815, 0.4664, 0.2540



25.8815, 0.2553, 0.5485

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



25.8815, 0.4664, 0.2540



25.8815, 0.4732, 0.4957



25.8815, 0.1643, 0.4024



25.8815, 0.1451, 0.1533

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



25.8815, 0.4664, 0.2540



25.8815, 0.5596, 0.3783



25.8815, 0.1643, 0.4024



25.8815, 0.1129, 0.1997

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



25.8795, 0.4664, 0.2540



64.9705, 0.3412, 0.3015



17.8049, 0.2338, 0.1197



13.0113, 0.3466, 0.2972



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



25.8795, 0.4664, 0.2540



22.8994, 0.5116, 0.2616



25.1950, 0.5834, 0.3360



18.1208, 0.3224, 0.3185



11.7604, 0.5206, 0.2641



1.1666, 0.4922, 0.2485

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



25.8795, 0.4664, 0.2540



22.8994, 0.5116, 0.2616



73.2770, 0.2255, 0.3166



18.1208, 0.3224, 0.3185



11.7604, 0.5206, 0.2641



1.1666, 0.4922, 0.2485

Previews

White Background



This preview shows how the Yxy color 25.8815, 0.4664, 0.2540 looks on a white background.

Color Contrast Check

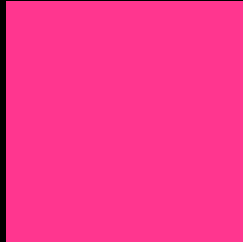
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the Yxy color 25.8815, 0.4664, 0.2540 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 25.8815, 0.4664, 0.2540

Background



This preview shows how black text looks on a background with the Yxy color 25.8815, 0.4664, 0.2540.



This preview shows how white text looks on a background with the Yxy color 25.8815, 0.4664, 0.2540.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

25.8815, 0.4664, 0.2540

Protanopia

26.2382, 0.2507, 0.2447

Deuteranopia

25.9900, 0.3377, 0.3323



Tritanopia

25.8101, 0.5505, 0.3266

Trichromacy



Original Color

25.8815, 0.4664, 0.2540



Protanomaly

22.2685, 0.3124, 0.2336



Deuteranomaly

23.1906, 0.3854, 0.2868



Tritanomaly

25.5315, 0.5236, 0.3008

Monochromacy



Original Color

25.8815, 0.4664, 0.2540



Achromatopsia

20.1556, 0.3127, 0.3290



Achromatomaly

19.3330, 0.3719, 0.2812

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.8815, 0.4664, 0.2540 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(255, 54, 143)` looks like.

```
.text, #text, p{  
  color:rgb(255, 54, 143)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(255, 54, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 54, 143) }
```

Border

The CSS property to change the border of an element to Yxy 25.8815, 0.4664, 0.2540 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 54, 143) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(255, 54, 143) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(255, 54, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 54, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 54, 143);  
box-shadow:4px 4px 4px 4px rgb(255, 54,  
143) }
```


Background

The CSS property to change the background color of an element to Yxy 25.8815, 0.4664, 0.2540 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 54, 143) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(255, 54,  
143) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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